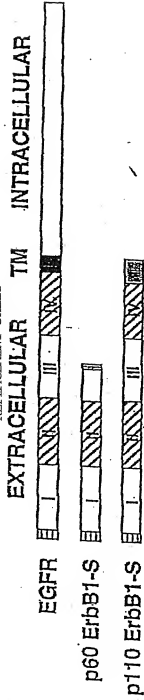


FIGURE 1

p60 ErbB1-S

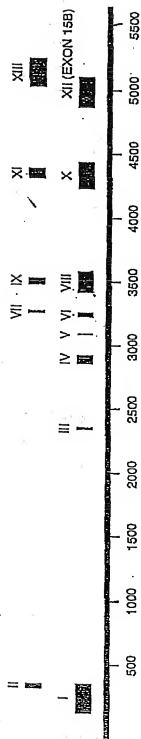
- encoded by 1.8 kb transcript
- mature product = 60 kDa
- Contains 381 amino acids
 - unique a.a: Leu and Ser
- Calculated mw = 45 kDa
 - minus signal peptide = 42 kDa

p110 ErbB1-S

- encoded by 3.0 kb transcript
- mature product = 110 kDa
- Contains 681 amino acids
 - 78 unique a.a
- Calculated mw = 77 kDa
 - minus signal peptide = 75 kDa

FIGURE 2

Alternative Exons Located in Human EGFR Intron 15



Alternative Exons Located in Human EGFR Intron 16

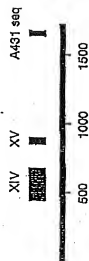


FIGURE 3

Seq
III

Alternative Exon
(coding sequence only)

IVS #	Amino Acids
1	10
2	10
3	10
4	10
5	10
6	10
7	10
8	10
9	10
10	10
11	10
12	10
13	10
14	10
15	10
16	10
17	10
18	10
19	10
20	10
21	10
22	10
23	10
24	10
25	10
26	10
27	10
28	10
29	10
30	10
31	10
32	10
33	10
34	10
35	10
36	10
37	10
38	10
39	10
40	10
41	10
42	10
43	10
44	10
45	10
46	10
47	10
48	10
49	10
50	10
51	10
52	10
53	10
54	10
55	10
56	10
57	10
58	10
59	10
60	10
61	10
62	10
63	10
64	10
65	10
66	10
67	10
68	10
69	10
70	10
71	10
72	10
73	10
74	10
75	10
76	10
77	10
78	10
79	10
80	10
81	10
82	10
83	10
84	10
85	10
86	10
87	10
88	10
89	10
90	10
91	10
92	10
93	10
94	10
95	10
96	10
97	10
98	10
99	10
100	10

Translated Peptides

Exon 15	cag	GGACAGACAGACATATCTACATCTGCTGGCCATCTATCTAGAGCCGCCACATG	NA	53	GHDCNLCQARIYDGPCHVATCP
	cgt	CATGACCTGCGCCGAGAGATCTATGGAGAAAACAACCCCTGGCTGGAGAG			AVAGENNTPLVADAGHVCH
	TAG	CAGACGCCGCATCTATCTCCATCTGTCATCTGCACTCACTCACTGACATAG	SEQ ID NO: 38		LCHEINTTQ SEQ ID NO: 21
I	cag	CCATCCGCATACGACATGCTGGTGTGACAGAGCCATGACATGCTGGAGATG	139-364	74	HASNNLSYRPSGSGNDSAMHR
	act	CTCCATCATCTCATCTTCCCGGCGCGGCGCTGTGTTCGTCATCTGCTGCACAT			VPRACVVCQCTSCQGTGRTG
	CACACAGAGAGTAGGGGACAAAGAGACAGAGCTCTGCGATGCTCCACAT				HRNQLPSPQCAPFLSRPLRL
	CTCCAGGCGTCTTGCTTCTGCTTCTGCTGATCTTAAAGTCTTACATATGGGATG				TWGLANLVQ* SEQ ID NO: 22
	CTGTCTTCAATGA SEQ ID NO: 39				
II	cag	ATTCTTAAGGTATACAGGAGATGATGCTGTTTTCGAATGA SEQ ID NO: 40	325-364	12	PLRTATGLAVLQ* SEQ ID NO: 23
III	cag	GAATACATCTATATGA SEQ ID NO: 41	2342-2357	4	KTII* SEQ ID NO: 24
IV	cag	ATGTGCTCATGATCTCTCATCTGATCATCTATCTATCTATCTATCTATCT	2857-2932	24	CASVSLRHVLVLSISVSGICC
	CATGATGATCATGTCTGTGGCTTAG SEQ ID NO: 42				WA* SEQ ID NO: 25
V	cag	GTCTCTCAA	3086-3092	1	8*
VI	cag	TATGTGTATATCATCTCTGATCTTGCTGAGCGCTTTTATG SEQ ID NO: 43	3229-3265	11	MCDYIDPSEPP* SEQ ID NO: 26
VII	taa	ATAG	3266-3269	0	*
VIII	gag	TATTTATGACGTGCAACAATCTCTGAATATTTCTCTCTCTCATTTCTC	3422-3587	54	TYDNLHPRTVLSLQMGCTA
	AGATGGATATGCTCTCTCTCTCTCAATCTTATTTATTTATTAAGACATCTACAGGG				FTSISTVKTATGTGSLTCTCQOH
	TTCTCTTAACTACTGTGTGAACAGCATCATCAGAGCCACAGACTACAGCATATGCA				QSPDYSISSC* SEQ ID NO: 27
	CGCTGTGA SEQ ID NO: 44				
IX	cag	ATGGAGATGATCTCTCTCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	3474-3534	19	MDVLPSPFLLAKLHLQFL*
	GGTTCTCTTAA SEQ ID NO: 45				SEQ ID NO: 28
X	cag	ATTTACATGAGCGCTCATCAGCGCTCAGCGAGAGCGCGCTCTCTGACG	4233-4437	67	VTEGLISVSRSPSPDALTSFS
	CTCTCACT				PAAPSCHCPCASIQSGTGLFP
	CTCTCTCAAGGCTCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT				FTSLISQLVSNPTGCPKAPSEP
	TTAGCAATCCCTATGTTGGCCMAAGCATTTTCAGAGCTCTCAATGA SEQ ID NO: 46				A* SEQ ID NO: 29
XI	cag	CCCGCTCTCGCATCT	4307-4394	28	FVPLSLISLFSRNVNNSVPPK
	CTACTCTCTCTCTCAAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT				SVTAAQ* SEQ ID NO: 30
	cag	GCCAAGATATGATGCTCTCAAGACCATATATCTCTCTCTCTCTCTCTCTCTCT	4870-5107	78	PGNBSLKAMLPFLKLSGNCOS
	CATCTCTGATATCAAGATATGATGACAGCTGTCTCCACAGAGCGGGAGCCAC				NDGVSVHSGGSPFAQAGSCLWQ
	CTGCTCTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG				FCFSGFVFGQNGCGSHLHWP
	AGCTGGTGGGGTGGATGCGCCACATCTCAATGCTCTGCGCTCTCTCTCTCTCT				SNASTVITASSCH* SEQ ID NO: 31
	TCTACTCGGCT				SEQ ID NO: 32
XII	cag	AGTTTACGTGTGTGGGTGTGATGACGACATCTCAATGCTCTGCGCTCTCT	5022-5250	75	V9AGLGMQGPPLCAATCTCDH
	GCATCTCTCAATCAAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT				GLIAPLSLTPFRNVCISRSFPLP
	TCGTGTCGCCGCCCTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT				PLAVHVGKPLVLTFTSFLPFLP
	CCCAAGATATCTCAATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT				PVPLTPTSS* SEQ ID NO: 32
	CCCCCATATGATGATGA SEQ ID NO: 49				
Exon 16	cag	ATGCACTGGGCGCAGGCTCTTGAAGGCTGTCTCAAGCAATGG SEQ ID NO: 50	NA	13	CTGGEGEGCTPGP SEQ ID NO: 33

REPLACEMENT SHEET

XIV	seq	ACACACTGCCACGACGAAAGGCAAGGGCTTCCTCAACATCGCTCTGGC CAGTTTGCAGACGAAAGCCCTGAGAAAGCAAGGTTGAAAGTCTTATCTCAA CTCACAGGAAGACGTGTGTACTCTCGATGGCTCTAGCCAGCAATCATGGA ATTATACCCGACGACCTGTTCGCTTTGGATGTTTCTCAACATGACCAAA CTTCCAGGCCCCCTCGCATCTCTGGTAA SEQ ID NO: 51	444-684	79	HTAQQRQKGFQHQHFWQOSK ALAKAKLSLQTHQSERVLLS KASSQSEWVYTPSTCLPTFMFP NMNQTSBFLCHLW* SEQ ID NO: 34
XV	seq	CAG TGAAGCTGTAGGACACCCAGCAGACCTCCCCCTCCACACTGCAATCTC AGGATCTTAG SEQ ID NO: 52	849-909	19	ELIGHPAELPHSTLASQGS* SEQ ID NO: 35
A431	seq	tag AAGCTACATAGTCTCTACCTTCGCAAGTCACTTACACAGATGTCAGTGC ACTGA SEQ ID NO: 53	1633-1687	17	SYIVSHFPRSFYKMSVH* SEQ ID NO: 36
Exon 17	seq	CAG GCGTAAAGATCCCGTCGATCGCCTACTGGATGGTGGGGCCCTCCCTTGGC TGCTGGTGGCCCTGGGAGTCGGGCTCTTATGGGAAGCGCGCACATCTTC GGAGCCGACGCTGGCGAGGCTGTCTGCAGGACAGGGAG SEQ ID NO: 54	NA	47	PKPSIATGNGALLILVVAL GIGLPMRHIVAGCTTARRLLQ ERE SEQ ID NO: 37

FIGURE 4B

Co-expression of p170 and p110 EGFR in Chinese Hamster Ovary Cells

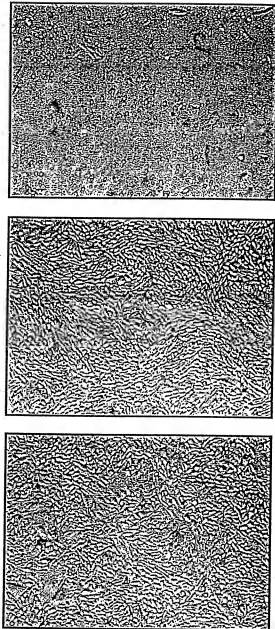
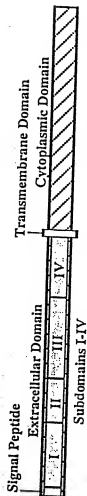
Protein Expression			
Stable	p170	vector	p170
Transient	vector	p110	p110
			

FIGURE 5

A) Full-length ErbB1 Receptor



B) Mutant Soluble ErbB1 Analog from Human A431 Cells

Unique Amino Acids



C) Soluble ErbB1 Analog from Human Placenta

Unique Amino Acids



D) Recombinant Soluble Human ErbB1 Analog

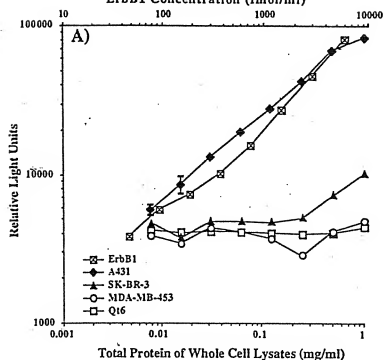


mRNA	# of Unique Amino Acids	Molecular Weight	Reference
10.5 & 5.8 kb	none	170 kDa	Ullrich et al., 1984
2.8 kb	17	110 kDa	Ullrich et al., 1984
1.8 kb	2	60 kDa	Reiter and Maibach, 1996
not applicable	none	100 kDa	

FIGURE 6

REPLACEMENT SHEET

ErbB1 Concentration (fmol/ml)



ErbB1 Concentration (fmol/ml)

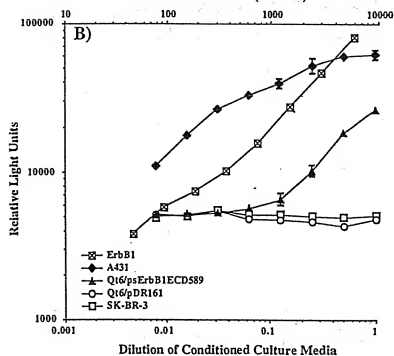


FIGURE 7

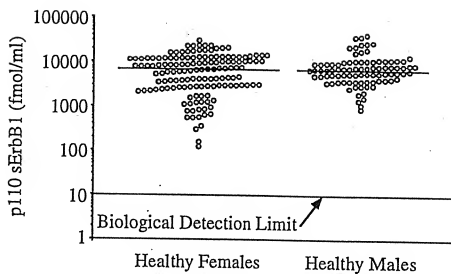


FIGURE 8

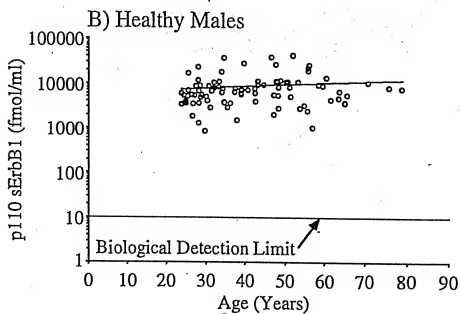
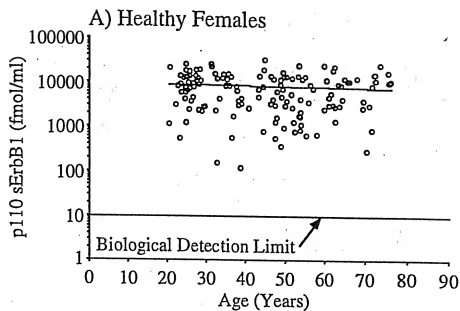


FIGURE 9

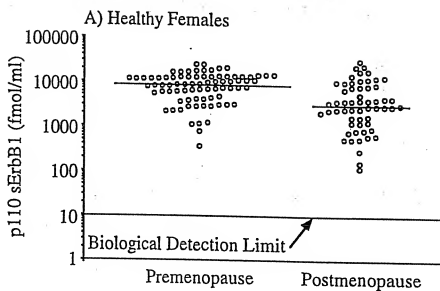


FIGURE 10

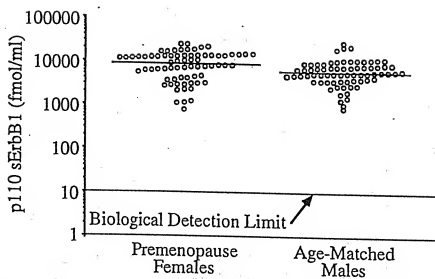
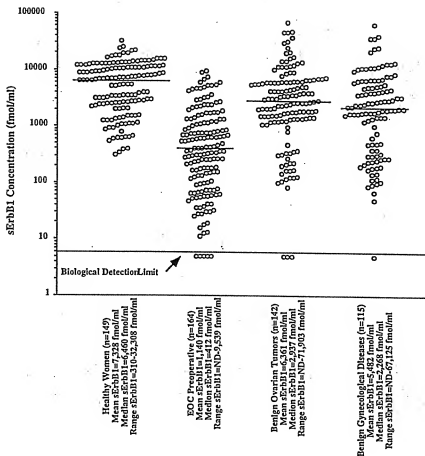


FIGURE 11

REPLACEMENT SHEET



Serum sErbb1 levels in healthy women, patients with EOC, benign ovarian tumors, and other benign gynecological diseases as measured by ALISA and compared. Serum samples with sErbb1 levels below the inter-assay biological detection limit (horizontal line with arrow) of 5.89 fmol/ml were arbitrarily assigned values of 5.0 fmol/ml for graphing purposes. Each data point represents the median of the mean sErbb1 concentration for one serum sample tested in duplicate from a minimum of three separate assays. The median sErbb1 concentration for each group of patients is indicated by the horizontal line.

FIGURE 12

FIGURE 13

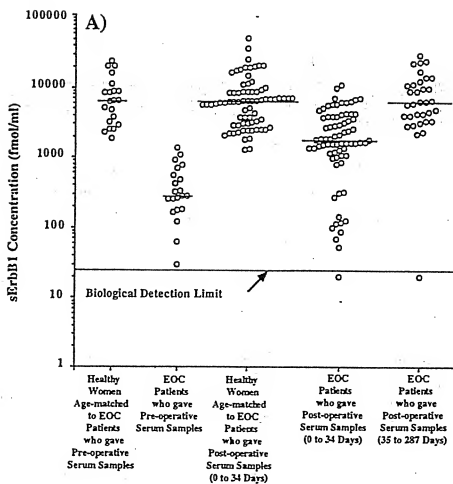


FIGURE 14

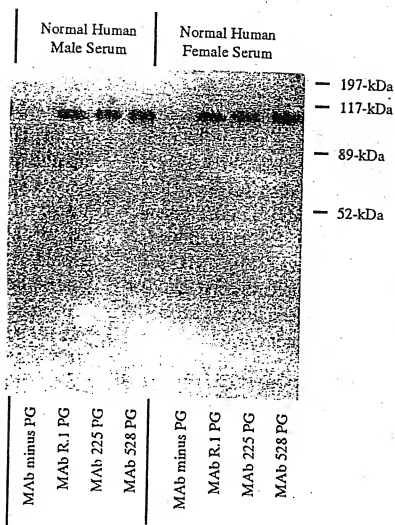


FIGURE 15

